This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (original) A machine for making bubbles comprising:

a housing;

a fan operatively coupled to said housing;

a bubble loop oriented in a substantially horizontal plane and subject to air blown in a substantially vertical direction from said fan, said bubble loop including a structural element in the form of a ring surrounding an open air passageway and a channel adapted to contain liquid bubble solution, said channel capable of delivering liquid bubble solution all the way around said bubble loop;

a liquid bubble solution supply supplying said bubble loop with bubble solution; and

a membrane-forming member forming liquid bubble solution membrane across said air passageway of said bubble loop.

2. (original) The machine for making bubbles of Claim 1 wherein:

said liquid bubble solution supply including an inverted bottle type fluid delivery system adapted to maintain a fluid level such that liquid bubble solution is supplied to but does not overflow said channel in said bubble loop during normal use.

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3. (original) The machine for making bubbles of Claim 2 wherein:

said inverted bottle type fluid delivery system comprises a removable bottle adapted to contain liquid bubble solution.

4. (original) The machine for making bubbles of Claim 3 wherein:

said inverted bottle type fluid delivery system further comprises a cap and valve assembly attached to said bottle and a projection connected to said housing configured such that while said bottle is separated from the rest of said machine for making bubbles, said cap and valve assembly seals said bottle and while said bottle is properly installed, said projection causes said valve to open thereby allowing liquid bubble solution to exit said bottle and air to enter.

5. (original) The machine for making bubbles of Claim 3 further comprising:

a float-activated on/off switch including a float, said float-activated on/off switch configured in such a way that while said bottle is properly installed and said bottle contains more than a minimum amount of liquid bubble solution said float floats on liquid bubble solution supplied by said bottle and causes said on/off switch to be in the "on" state.

6. (original) The machine for making bubbles of Claim 5 wherein:

said float-activated on/off switch comprises a permanent magnet and a magnetic reed switch.

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- 7. (original) The machine for making bubbles of Claim 5 further comprising:
- a tilt switch, said tilt switch preventing said fan from operating while said machine for making bubbles is not in a substantially upright orientation.
  - 8. (original) The machine for making bubbles of Claim 6 wherein:

said machine for making bubbles may be disassembled into a first part including said permanent magnet and a second part including said magnetic reed switch.

- 9. (original) The machine for making bubbles of Claim 8 further comprising:
- an assembly switch, said assembly switch preventing said fan from operating while said machine for making bubbles is in a disassembled state.
  - 10. (original) The machine for making bubbles of Claim 1 wherein:

    said membrane-forming member is powered by air pressure from said

    fan.
  - 11. (original) The machine for making bubbles of Claim 10 further comprising:
    - a controller, said controller having a first sate in which power is not supplied to said fan and a second state in which power is supplied to said fan, said controller being capable of operating in a cyclic manner alternating between said first state and said second state.

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12. (original) The machine for making bubbles of Claim 11 wherein:

an initial first state after said machine for making bubbles is turned on is sufficient in duration to allow said liquid bubble solution supply to supply liquid bubble solution to said bubble loop; and

durations of said second states and said first states subsequent to said initial first state are sufficient to allow said membrane-forming member to form a membrane across said air passageway.

13. (original) The machine for making bubbles of Claim 1 wherein:

said membrane-forming member includes a pull-away member configured to contact liquid bubble solution within said channel so that as said pull-away member is pulled away from said channel, a tubular film of liquid bubble solution is drawn from said channel which, upon reaching a certain length, naturally pinches off to form a closed membrane across said air passageway of said bubble loop.

14. (original) The machine for making bubbles of Claim 13, wherein said membrane-forming member further comprises:

a hinged flap coupled to said pull-away member, said hinged flap subject to air blown from said fan, said hinged flap being biased toward a first closed position while said fan is off and biased toward a second open position while said fan is on; whereby

said pull-away member may contact liquid bubble solution in said

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channel while said hinged flap is in said first closed position.

15. (currently amended) A bubble solution supply system for a machine that makes bubbles, the machine having a housing and a channel supplying a bubble loop with bubble solution, the bubble solution supply system comprising:

an inverted bottle type fluid delivery system adapted to <u>automatically</u> maintain a fluid level such that liquid bubble solution does not overflow the channel during normal use.

16. (original) The bubble solution supply system of Claim 15 wherein:

said inverted bottle type fluid delivery system comprises a removable bottle adapted to contain liquid bubble solution.

17. (original) The bubble solution supply system of Claim 16 wherein:

said inverted bottle type fluid delivery system further comprises a cap and valve assembly attached to said bottle and a projection coupled to the housing configured in such a way that when said bottle is separated from the rest of said machine for making bubbles, said cap and valve assembly seals said bottle and when said bottle is properly installed, said projection causes said valve to open thereby allowing liquid bubble solution to exit said bottle and air to enter.

18. (original) The bubble solution supply system of Claim 16 further comprising:

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- a float-activated on/off switch configured in such a way that while said bottle is properly installed and said bottle contains more than a minimum amount of liquid bubble solution, said float causes said on/off switch to be in an "on" state.
- 19. (original) The bubble solution supply system of Claim 18 wherein:

  said on/off switch comprises a permanent magnet and a magnetic reed switch.
- 20. (currently amended) A membrane-forming member for forming liquid bubble solution membranes across an air passageway of a bubble loop, wherein said membrane-forming member is powered by air pressure from a fan blowing air through said air passageway to intermittently engage said bubble loop.
- 21. (original) The membrane-forming member of Claim 20, further comprising:

  a controller operatively coupled to the membrane-forming member, said

  controller having a first state in which power is not supplied to said fan and a

  second state in which power is supplied to said fan, said controller being capable

  of operating in a cyclic manner alternating between said first state and said

  second state.
  - 22. (original) The membrane-forming member of Claim 21 wherein:

    an initial first state of said controller is sufficient in duration to allow

liquid bubble solution from a supply of liquid bubble solution to flow to the bubble loop to supply initial liquid bubble solution to the bubble loop; and

a duration of said second states and said first states subsequent to said initial first state are sufficient to allow the membrane-forming member to form a membrane across the air passageway.

23. (original) A membrane-forming member for forming liquid bubble solution membranes across an air passageway of a bubble loop having a channel holding liquid bubble solution, comprising:

a pull-away member configured to contact liquid bubble solution within the channel such that as said pull-away member is pulled away from the channel, a tubular film of liquid bubble solution is drawn from the channel which, upon reaching a certain length, naturally pinches off to form a closed membrane across the air passageway of the bubble loop.

24. (original) The membrane-forming member of Claim 23, further comprising:

a hinged flap coupled to said pull-away member, said hinged flap susceptible to air blown from a fan, said hinged flap being biased toward a first closed position while said fan is off and biased toward a second open position while said fan is on; whereby

said pull-away member is mounted on said hinged flap in such a way that said pull-away member may contact liquid bubble solution in the channel while said hinged flap is in said first closed position.

- 25. (original) A bubble-making machine for making bubbles vertically dispensed, comprising:
  - a housing;
  - a fan operatively coupled to said housing for blowing air in an upward direction;
  - a first bubble ring operatively positioned within said housing and being superpositioned to said fan and subject to air blown by said fan;
  - a bubble solution supply coupled to said first bubble ring to supply said first bubble ring with bubble solution; and
  - a membrane-forming ring intermittently engaging said first bubble ring and said bubble solution to aid in formation of bubbles; whereby

bubbles may be formed in an ongoing manner by air traveling through said first bubble ring.

26. (original) A bubble-making machine for making bubbles vertically dispensed as set forth in Claim 25, further comprising:

said membrane-forming ring withdrawing from said first bubble ring when said fan blows air.

- 27. (original) A machine for making bubbles as set forth in Claim 25, further comprising:
  - a first hinged flap incorporating said membrane-forming ring, said first

hinged flap hingedly attached to said housing and pivotably retreating from said first bubble ring and withdrawing said membrane-forming ring from said first bubble ring when said fan blows air through said first bubble ring.

28. (original) A machine for making bubbles as set forth in Claim 27, further comprising:

said hinged flap pivotably opening to a predetermined angle when subjected to air blown by said fan, said predetermined angle aiding in carriage of bubbles from said first bubble ring.

29. (original) A machine for making bubbles as set forth in Claim 25, further comprising:

a controller, said controller coupled to and intermittently activating said fan to control activity of said fan; whereby

said membrane-forming ring intermittently engages said first bubble ring to ensure formation of a membrane from which bubbles may be continually formed.

30. (original) A machine for making bubbles as set forth in Claim 29, said controller further comprising:

a tip-over switch, said tip-over switch coupled to said fan and turning said fan off when the machine for making bubbles strays from an approximately upright position.

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31. (original) A machine for making bubbles as set forth in Claim 29, said controller further comprising:

an intermittent activation system coupled to and intermittently activating said fan, said intermittent activation system intermittently ceasing operation of said fan until said membrane-forming ring engages said first bubble ring to ensure continual formation of bubbles.

32. (original) A machine for making bubbles as set forth in Claim 25, said bubble solution supply further comprising:

a reservoir for holding bubble solution, said reservoir coupled to said first bubble ring and providing a path for said bubble solution to said first bubble ring.

- 33. (original) A machine for making bubbles as set forth in Claim 32, said bubble solution supply further comprising:
  - a float cage present in said reservoir; and
  - a float restrained by said float cage and coupled to said fan, said float activating said fan when floating in said reservoir.
- 34. (original) A machine for making bubbles as set forth in Claim 33, said bubble solution supply further comprising:
  - a bottle, said bottle for holding bubble solution; and

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a spring-biased lid threadably attachable to said bottle, said spring-biased lid having a movable stopper panel for allowing egress of bubble solution to said reservoir, said movable stopper panel urged to a closed state by a spring and opened by said float cage when said bottle with said lid is turned upside-down and placed into position about said float cage and above said reservoir; whereby

bubble solution may be continuously fed into said reservoir by said bottle without overflow or spillage until a volume of bubble solution held by said bottle is depleted and said float is floatably lifted by said bubble solution to activate said fan.



35. (original) A machine for making bubbles as set forth in Claim 33, said float further comprising:

a magnetic float.

36. (original) A machine for making bubbles as set forth in Claim 25, further comprising:

said housing directing air blown by said fan to said first bubble ring and preventing dispersion of said fan-blown air away from said first bubble ring.

- 37. (original) A machine for making bubbles as set forth in Claim 36, further comprising:
  - a housing switch coupling said housing to said fan, said housing switch preventing operation of said fan unless said housing is properly in place.

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38. (original) A machine for making bubbles as set forth in Claim 37, further comprising:

said housing coupled to said fan by a bayonet connection.

- 39. (original) A bubble-making machine for making bubbles vertically dispensed, comprising:
  - a fan for blowing air in an upward direction;
  - a housing operatively coupled to said fan, said housing directing air blown by said fan and preventing dispersion of said fan-blown air;
  - a first bubble ring operatively positioned within said housing and being superpositioned to said fan and subject to air blown by said fan;
  - a bubble solution supply coupled to said first bubble ring to supply said first bubble ring with bubble solution, said bubble solution supply including:
  - a reservoir for holding bubble solution, said reservoir coupled to said first bubble ring and providing a path for said bubble solution to said first bubble ring;
    - a float cage present in said reservoir;
  - a magnetic float restrained by said float cage and coupled to said fan, said magnetic float activating said fan when floating in said reservoir;
    - a container, said container for holding bubble solution; and
  - a spring-biased lid threadably attachable to said container, said springbiased lid having a movable stopper panel for allowing egress of bubble solution

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to said reservoir, said movable stopper panel urged to a closed state by a spring and opened by said float cage when said container with said lid is turned upsidedown and placed into position about said float cage and above said reservoir; whereby

bubble solution may be limitedly but continuously fed into said reservoir by said container without overflow or spillage until a volume of bubble solution held by said container is depleted, said magnetic float floatably lifted by said bubble solution to activate said fan;

a membrane-forming ring, said membrane-forming ring initially engaging said first bubble ring and said bubble solution, said membrane-forming ring withdrawing from said first bubble ring when said fan blows air to aid in formation of bubbles;

a first hinged flap incorporating said membrane-forming ring, said first hinged flap hingedly attached to said housing and pivotably retreating from said first bubble ring and withdrawing said membrane-forming ring from said first bubble ring when said fan blows air through said first bubble ring, said hinged flap pivotably opening to a predetermined angle when subjected to air blown by said fan, said predetermined angle aiding in carriage of bubbles from said first bubble ring;

a controller, said controller coupled to said housing and said reservoir, said controller intermittently activating said fan to control activity of said fan so that said membrane-forming ring intermittently engages said first bubble ring to ensure formation of a membrane from which bubbles may be continually

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formed, said controller comprising:

a tip-over switch, said tip-over switch coupled to said fan and turning said fan off when the machine for making bubbles strays from an approximately upright position;

an intermittent activation system coupled to and intermittently activating said fan, said intermittent activation system intermittently ceasing operation of said fan until said membrane-forming ring engages said first bubble ring to ensure continual formation of bubbles;

a magnetic housing switch coupling said housing to said fan, said magnetic housing switch preventing operation of said fan unless said housing is properly in place; and

a magnetic float switch coupled to said magnetic float and coupled to said fan, said magnetic float switch turning said fan off when said magnetic float is not floating; whereby

said tip-over switch, said magnetic airflow channel switch, and said magnetic float switch must all be on for said fan to activate and for bubbles to be formed; whereby

bubbles may be formed in an ongoing manner by air traveling through said first bubble ring upon provision of bubble solution to said reservoir.

40. (original) A machine for making bubbles, comprising:

- a fan, said fan blowing air in an upward direction;
- a first bubble ring subject to air blown by said fan; and

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a retracting lip, said retracting lip engaging said first bubble ring, said retracting lip withdrawing from said first bubble ring to aid in formation of bubbles, said retracting lip withdrawing from said first bubble ring when said first bubble ring is subjected to air blown by said fan; whereby

upon provision of bubble solution to said first bubble ring, bubbles may be formed in an ongoing manner by air traveling through said first bubble ring.

41. (original) A machine for making bubbles as set forth in Claim 40, further comprising:

a first hinged flap incorporating said retracting lip, said first hinged flap retreating from said first bubble ring and withdrawing said retracting lip from said first bubble ring when said fan blows air through said first bubble ring.

42. (original) A machine for making bubbles as set forth in Claim 41, said first hinged flap further comprising:

said hinged flap opening to a predetermined angle when subjected to air blown by said fan, said predetermined angle aiding in carriage of bubbles from said first bubble ring.

43. (original) A machine for making bubbles as set forth in Claim 40, further comprising:

said retracting lip being a membrane-forming ring.

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- 44. (original) A machine for making bubbles as set forth in Claim 40, further comprising:
  - a controller, said controller coupled to and intermittently activating said fan; whereby

said retracting lip intermittently engages said first bubble ring to ensure formation of a membrane from which bubbles may be formed.

- 45. (original) A machine for making bubbles as set forth in Claim 44, said controller further comprising:
- a tip-over switch, said tip-over switch coupled to said fan and turning said fan off when the machine for making bubbles strays from an approximately upright position.
  - 46. (original) A machine for making bubbles as set forth in Claim 44, said controller further comprising:

an intermittent activation system coupled to and intermittently activating said fan, said intermittent activation system intermittently ceasing operation of said fan until said retracting lip engages said first bubble ring to ensure continual formation of bubbles.

- 47. (original) A machine for making bubbles as set forth in Claim 40, further comprising:
  - a reservoir, said reservoir coupled to said first bubble ring and providing

a path for said bubble solution to said first bubble ring.

- 48. (original) A machine for making bubbles as set forth in Claim 47, further comprising:
  - a float cage present in said reservoir; and
  - a float restrained by said float cage and coupled to said fan, said float activating said fan when floating in said reservoir.
- 49. (original) A machine for making bubbles as set forth in Claim 48, said float further comprising:

a magnetic float.

- 50. (original) A machine for making bubbles as set forth in Claim 40, further comprising:
  - an airflow channel directing air blown by said fan to said first bubble ring and preventing dispersion of said fan-blown air away from said first bubble ring.
- 51. (original) A machine for making bubbles as set forth in Claim 50, further comprising:

an airflow channel switch coupling said airflow channel to said fan, said airflow channel switch preventing operation of said fan unless said airflow channel is properly in place.

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52. (original) A machine for making bubbles, comprising:

a fan, said fan for blowing air upwardly;

first and second bubble rings subject to air blown by said fan;

an airflow channel directing air blown by said fan to said first and second bubble rings and preventing dispersion of said fan-blown air away from said first and second bubble rings, said airflow channel having an airflow channel magnet that enables activation of said fan when said airflow channel is properly in place;

first and second membrane-forming rings, said first membrane-forming ring engaging said first bubble ring and said second membrane-forming ring engaging said second bubble ring, said first and second membrane-forming rings respectively withdrawing from said first and second bubble rings to aid in formation of bubbles, said first and second membrane-forming ring respectively withdrawing from said first and second bubble rings when said first and second bubble rings are subject to air blown by said fan;

first and second hinged flaps coupled by first and second hinges to said airflow channel on opposite sides thereof, said first and second hinged flaps respectively incorporating said first and second membrane-forming rings, said first and second hinged flaps pivotably retreating from said first and second bubble rings and respectively removing said first and second membrane-forming rings from said first and second bubble rings when said fan blows air upon said first and second bubble rings, said first and second hinged flaps opening to a

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predetermined angle when subject to air blown by said fan, said predetermined angle aiding in carriage of bubbles away from said first and second bubble rings;

a controller, said controller coupled to and intermittently activating said fan so that said first and second membrane-forming rings intermittently engage said first and second bubble rings, respectively, to ensure formation of membranes from which bubbles may be formed, said controller including:

a tip-over switch, said tip-over switch coupled to said fan and turning said fan off when the machine for making bubbles strays from an approximately upright position;

an intermittent activation system coupled to and intermittently activating said fan, said intermittent activation system intermittently ceasing operation of said fan until said first and second membrane-forming rings respectively engage said first and second bubble rings;

a magnetic airflow channel switch coupled to said fan and turning said fan off when said airflow channel switch is off; and

a magnetic float switch coupled to said fan and turning said fan off when said magnetic float switch is off; whereby

said tip-over switch, said magnetic airflow channel switch, and said magnetic float switch must all be on for said fan to activate;

a reservoir, said reservoir coupled to said first and second bubble rings by respective first and second paths for enabling respective bubble solution flow to said first and second bubble rings, said reservoir having a float cage; and

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a magnetic float restrained by said float cage and coupled to said fan, said float activating said fan by turning on said magnetic float switch when floating in said reservoir; whereby

upon provision of bubble solution to said reservoir, bubbles may be formed in an ongoing manner by air traveling through said first and second bubble rings.

53. (original) A machine for making bubbles as set forth in Claim 52, further comprising:

a bottle, said bottle for holding bubble solution; and

a spring-biased lid threadably attachable to said bottle, said spring-biased lid having a movable stopper panel for allowing egress of bubble solution to said reservoir, said movable stopper panel urged to a closed state by a spring and opened by said float cage when said bottle with said lid is turned upside-down and placed into position about said float cage and above said reservoir; whereby

bubble solution may be continuously fed into said reservoir by said bottle without overflow or spillage until a volume of bubble solution held by said bottle is depleted and said float is floatably lifted by said bubble solution to activate said fan.